



(19)

(11) Publication number: **2002308782 A**

Generated Document

PATENT ABSTRACTS OF JAPAN(21) Application number: **2002028057** (51) Intl. Cl.: **A61K 33/00 A61K 33/10 A61M 1/14 A61P 1/02 A61P 39/02**(22) Application date: **05.02.02**(30) Priority: **06.02.01 JP 2001029354**(43) Date of application publication: **23.10.02**

(84) Designated contracting states:

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(54) METHOD FOR PRODUCING BICARBONATE SOLUTION

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a method for producing a bicarbonate solution capable of keeping its carbonic hydrogen ion concentration and pH stable for a long period.

SOLUTION: This method for producing the bicarbonate solution comprises (1) a process of preparing a bicarbonate solution having a similar level pH to that of the final desired pH, (2) a process of decreasing the pH of the prepared solution as above by the amount of pH elevation in the following process (3) by a carbon dioxide-bubbling and/or addition of a pH adjusting agent, (3) a process of filling the above solution obtained in the above process (2) in an air-ventilating plastic container and thermally sterilizing, and (4) a process of packaging the container thermally sterilized in the above process (3) with a gas barrier film and installing a means for preventing the discharge of carbon dioxide gas from the liquid in the container.

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